

REMARKS

Reconsideration of the above-identified application in view of the amendments above and the remarks following is respectfully requested.

Claims 1-41 are in this case. Claims 1-19 have been rejected under 35 U.S.C. §102 (e). Claims 1-19 have been cancelled. Claims 20-41 have been added.

The claims before the Examiner are directed towards a method and system for retrieving information from a network-based information provider based on a user-initiated query based on data representing real-world entities captured by a data-capture device. No such method or system is taught or suggested in the art of record.

Support for the replacement claim set is found in the Description beginning on page 2 through page 15 of the original application.

§ 102(e) Rejections

The Examiner has rejected claim 1-19 under § 102(e) as being anticipated by Gelvin et al. (US 6,859,831) The Examiner's rejection is respectfully traversed.

Gelvin discloses a sensor network for monitoring and advanced data control capabilities:

Abstract

The Wireless Integrated Network Sensor Next Generation (WINS NG) nodes provide distributed network and Internet access to sensors, controls, and processors that are deeply embedded in equipment, facilities, and the environment. The WINS NG **network is a new monitoring and control capability** for applications in transportation,

manufacturing, health care, environmental monitoring, and safety and security. The WINS NG nodes combine microsensor technology, low power distributed signal processing, low power computation, and low power, low cost wireless and/or wired networking capability in a compact system. The WINS NG networks provide sensing, local control, remote reconfigurability, and embedded intelligent systems in structures, materials, and environments. (Emphasis added)

Gelvin does not disclose a system having a net-work based information source operative to user-initiated queries formed from captured-data representing real-world entities as claimed in method claim 20 and system claim 31 shown above. Furthermore, the Abstract does not do not describe a network-enable data-capture device configured to retrieve information from a network-base information providers based on a user-initiated query formed from captured data also claimed in method claim 20 and system claim 31 quoted above.

Consequently, the prior art on record does not does not answer to method claim 20 and to system claim 31 as quoted below:

Claim 20:

"...a network having at least one information provider operative to provide search results to user-initiated queries formed from captured data representing real-world entities..."

"...retrieving information from said network-based information provider based on a user-initiated query formed from the captured data by said data-capture device..."

Claim 31:

"...at least one network-based information provider operative to provide search results to user-initiated queries formed from captured data representing real-world entities, and ..."

"...a network enabled, data-capture device having a user interface and a processor, said data-capture device being configured:

- i. to capture data representing real-world entities,*
- ii. to retrieve information from said information provider based on a user-initiated query formed from the captured data, and*
- iii. to present the information retrieved from said network-based information provider to a user.*

Regarding the portions of Gelvin cited by the Examiner:

Column 10, Lines 18-32

The WINS NG network devices support local sensing and control with response requirements ranging from real-time through latency tolerant processes. A function of WINS NG networks is supporting constantly vigilant signal processing and event recognition associated with this sensing and control.

Furthermore, WINS NG systems support applications at multiple tiers. For example, the applications that include geographically wide distribution of WINS NG technology support long range wireless communication links. In contrast, applications in factory automation or health care are supported using local area networks. In these applications, as will be described herein, WINS NO networks exploit the advantages of short range, robust, multihop wireless networks.

Column 11, Lines 22-31

The sensor nodes of an embodiment are remotely programmable. Furthermore, software is downloadable from storage locations in the sensor node network, or via the 25 Internet from remote user locations or databases. Moreover, results or data products of sensor nodes may be remotely queried. Additionally, the network is capable of supporting distributed processing and data storage functions in accordance with varying sensor node capabilities and application demands.

Columns 11, Lines 49-53

The descriptions herein include physical embodiments of the nodes, signal processing architecture, network architecture, methods for ensuring reliability of access, linkage to databases, security methods, and position location functions.

Columns 18, Lines 46-48,

In this embodiment of the WINS NO node, up w four sensors may be attached, with software controlling which sensor is sampled.

Clearly, these cited disclosures and the Figure #806 do not describe a network-based information source operative to user-initiated queries formed from captured-data representing real-world entities as claimed in method claim 20 and system claim 31 quoted above. Furthermore, these cited disclosures do not describe a network-enabled data-capture device configured to retrieve information from a network-base information provider based on a user-

initiated query formed from captured data also claimed in method claim 20 and system claim 31 quoted above.

It should be noted that data searches performed by the Gelvin node network are executed in an automated manner related to data base management as indicated by the below, excepts:

"BOOL Node Search: Initiates search of network for participating nodes that are in range of and have been acquired by the local gateway...."

"...Network self-assembly for a node distribution begins with the WINS NG nodes operating in search and acquisition modes in a search for participating peer neighbors and gateway nodes. ..."

"...Queries establish database search, networking, processing, and storage parameters.."

"The DQL further includes a signal search engine (SSE) for indexing and information labeling of unstructured sensor data sets. ..."

"...A state machine controls sensing, signal processing, event recognition, communication, and power management, but is not so limited. In addition, the state machine manages network assembly by controlling search and acquire messaging by nodes..."

"...For example, a gateway may activate its neighbors by launching a query requesting information about instances of particular vibration modes..."

"...WINS NG nodes can be embedded within the casings of the pumps, which are typically in operation for many years. Other nodes can be on the exterior, and thus may be physically upgraded over time. It is desired to monitor the vibrations or other physical characteristics of the pumps to predict failure or verify continued proper operation..."

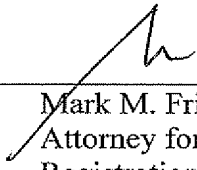
A further example of the use of database methods of an embodiment is found in the effective incorporation of both active and passive tags into systems which detect, track, and identify objects like security, logistics, and inventory systems.

"... Likewise, the devices that query may be distinct from the devices that listen for responses. ..."

There is no hint of suggestion of providing search results based on user-initiated queries formed from captured data representing real-world entities.

In view of the above amendment and remarks it is respectfully submitted that independent Claims 20 and 31 and hence dependent Claims 21-30 and 32-41 are in condition for allowance. Prompt notice of allowance is respectfully and earnestly solicited.

Respectfully submitted,



Mark M. Friedman
Attorney for Applicant
Registration No. 33,883

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